

Comparing DDMs

Prerequisites

See also General Prerequisites for Comparison Functions.

If Natural Security is installed and the file (DDM) has been defined to the Security system, only administrators may compare the file. Also, if the file object in Natural Security has an Owner list, the DDM may be compared only by one of its owners. No countersignatures are necessary. A file is not selected if a DDM connected to the file is defined to the Security system and the user is either not an administrator or not in the Owner list.

Calling the Function

The Compare DD Objects with DDMs screen is called with code C and object code DD in any Predict main menu or with the command COMPARE DDM.

10:56:12	***** P R E D I C T 4.2.2 *****	2002-07-31
Plan 0	- Compare DD Objects with DDMs -	Profile HNO
Current VM HOME		
File ID HNO-FI1	Files of type ..*	
Contained in DA ...	File number	
Check options	List options	
File attributes Y (Y/N)	Fields* D	
Fields Y (Y/N)	Verifications* D	
Verifications Y (Y/N)	Members using differences* N	
ADABAS Version* I7		
Restrictions*	Profile HNO ,used	Save set N (Y/N)

Parameters	
Current VM	ID of the virtual machine object identifying the current environment. A read-only field. See also table with Parameter descriptions in the section Comparing Adabas Databases .
File ID	The ID of the Predict file object or objects which are to be compared with the connected DDMs of userviews or files. Asterisk notation can be used.
Files of type	Limit the function to files of the specified type.
File number	File with this file number is processed.
Contained in DA	Limit the function to files in the specified database.
Check options	
If check options are not set, compare functions will not reset the Modified after generation flag. See Resetting the Modified after generation Flag for more information.	
File attributes	Y Attributes of the file are to be compared with the implementation of the file in the DDM and any differences in file number, database ID and file type-specific attributes are to be displayed.

Fields	Y The field list of the file object is to be compared with the DDM.
Verifications	Y The verifications of the fields are to be compared with the DDM to find any that <ul style="list-style-type: none"> ● have incompatible formats, ● are not activated, or ● have been modified, disconnected or resequenced since the DDM was generated.
Adabas version	The version of Adabas for which the DDM was generated. This determines the representation of integers and floating point numbers, hyperdescriptors and the size of the DBnr and Fnr in the DDM.
List options	
Fields	How fields linked to the Predict file object are to be displayed. Y All fields N No fields D Different: only fields whose Predict definitions differ from the DDM.
Verifications	How verifications of the fields are to be displayed. Y All verifications N No verifications D Different: only verifications that are not activated or have been modified, disconnected or resequenced since the DDM was generated.
Members using diff.	Determines the amount of information to be displayed on members using external objects that differ from the corresponding Predict objects: The following differences are possible: <ul style="list-style-type: none"> ● A verification has been modified, disconnected or resequenced since the DDM was generated. ● A Predict field definition differs from the DDM. ● The file number of a Predict file object differs from the DDM or a userview of such a file. Valid values: Y Display types and names of all members using objects that differ in any of the above ways. N Do not display members. C Count the number of members per library.

Save set	Y Program types and names reported by the function are saved in a set. See also Saving the Result of Comparison Functions in Sets.
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Comparing DDMs in Batch Mode

Command COMPARE DDM

Enter parameters on the next line in positional or keyword form.

Field	Keyword	Position
File ID	FILE-ID	1
Files of type	TYPE	2
File number	FNR	3
Contained in DA	DB	4
Check options		
File attributes	CHECK-FILE	5
Fields	CHECK-FIELD	6
Verifications	CHECK-RULE	7
Adabas version	ADA-VER	8
List options		
Fields	LIST-FIELD	9
Verifications	LIST-RULE	10
Members using differences	LIST-PROGRAM	11
Save set	SAVE-SET	12

Example

To compare all files that begin with 'TEST' and to display members using differences code the command:

```
COMPARE DDM
FILE-ID=TEST*, LIST-PROGRAM=Y
```

or

```
COMPARE DDM
TEST*, , , , , , , Y
```

The example above uses the Natural parameter ID=, and IA==